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APPLICATION NO	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO	CONFIRMATION NO.
10/034,486	12/28/2001	Ranjit Ghpurey	11-33512	2159

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TEXAS INSTRUMENTS INCORPORATED
P O BOX 655474, M S 3999
DALLAS, TX 75265

[REDACTED] EXAMINER

NGUYEN, PATRICIA T

ART UNIT	PAPER NUMBER
2817	

DATE MAILED: 03/17/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.	10/034,486	Applicant(s)	GHARPUREY, RANJIT
Examiner	Patricia T. Nguyen	Art Unit	2817
-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --			

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on _____
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-5, 18, 20, 21 and 24 is/are rejected.
- 7) Claim(s) 6-17, 19, 22, 23, 25 and 26 is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 28 December 2001 is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) The proposed drawing correction filed on _____ is: a) approved b) disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) The translation of the foreign language provisional application has been received.
- 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

DETAILED ACTION

Drawings

The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the analog gain control system in claim 10 must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Claim Objections

Claims 10-17 are objected to because of the following informalities: an analog gain control system as claimed in claim 10 is not shown in any of the drawings.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-5, 18, 20, 21, 24 are rejected under 35 U.S.C. 102(b) as being anticipated by Fong, U.S. Patent # 6,211,737 B1 (provided by the applicant).

Fig. 3 of Fong discloses a variable gain amplifier comprising: transconductance stage 110 having transistor Q1 can be read as an input stage or means for converting wherein current at collector of Q1 can be read as intermediate signal; transistors Q2-Q5 can be read as an output stage as well as current steering system or means for steering; signals Bias, B1-B3 can be read as gain control signal; feedback networks 103, 150, 170 can be read as a feedback stage or means for generating a feedback signal.

Regarding claim 24, although Fong does not disclose a method for providing gain amplification in a variable gain amplifier structurally, the method resides inherently in the apparatus.

Claims 1-5, 18, 20, 21, 24 are rejected under 35 U.S.C. 102(e) as being anticipated by Madni, U.S. Patent # 6,304,142 B1 (provided by the applicant).

Fig. 3 of Madni discloses a variable gain amplifier comprising: transistor T1 can be read as an input stage or means for converting wherein current at collector of T1 can be read as intermediate signal; transistors T3, T4, T9, T10 can be read as an output stage as well as current steering system or means for steering; signals agc_adjust+, agc_adjust_- can be read as gain control signal; transistors T5, T7 can be read as a feedback stage or means for generating a feedback signal.

Regarding claim 24, although Madni does not disclose a method for providing gain amplification in a variable gain amplifier structurally, the method resides inherently in the apparatus.

Allowable Subject Matter

Claims 6-9, 19, 22, 23, 25, 26 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 10-17 will be allowed after the drawing is corrected as mentioned above.

The following is a statement of reasons for the indication of allowable subject matter: prior art does not teach nor render obvious an amplifier that has, in combination with other limitations, an analog gain control system operative to receive an external gain control signal and to convert the external gain control signal to the internal gain control signal.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. U.S. Patents # 6,466,090 B1 of Giuroiu, # 6,407,632 B1 of Madni et al., # 6,400,218 B1 of Zocher et al. contain some limitations of the claimed invention.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patricia T. Nguyen whose telephone number is (703) 308-1927. The examiner can normally be reached on 6:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Pascal can be reached on (703) 308-4909. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 305-0142 for regular communications and (703) 305-0142 for After Final communications.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

PTN
March 4, 2003

PATRICIA NGUYEN

ART UNIT 2817

Patricia Nguyen